

## ABSTRACT

Projector is suggested, including a light source for emitting beams of lights, a rod lens for receiving the beams of lights from the light source for making a distribution of the beams uniform, and a polarization beam converter. The polarization beam converter has a lens part for receiving the beams from the rod lens and focusing onto a plurality of focusing points, and a polarization beam sprite array. The polarization beam sprite array receives the beams inclusive of a P wave and an S wave, and forwards the P wave as it is, and converting the P wave into the S wave before forwarding. The employment of the rod lens permits to fabricate a thinner polarization converter, and minimizes a light loss.